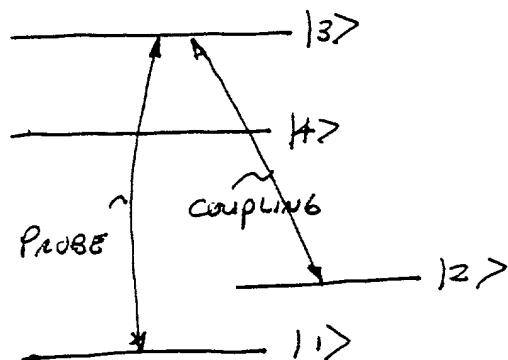


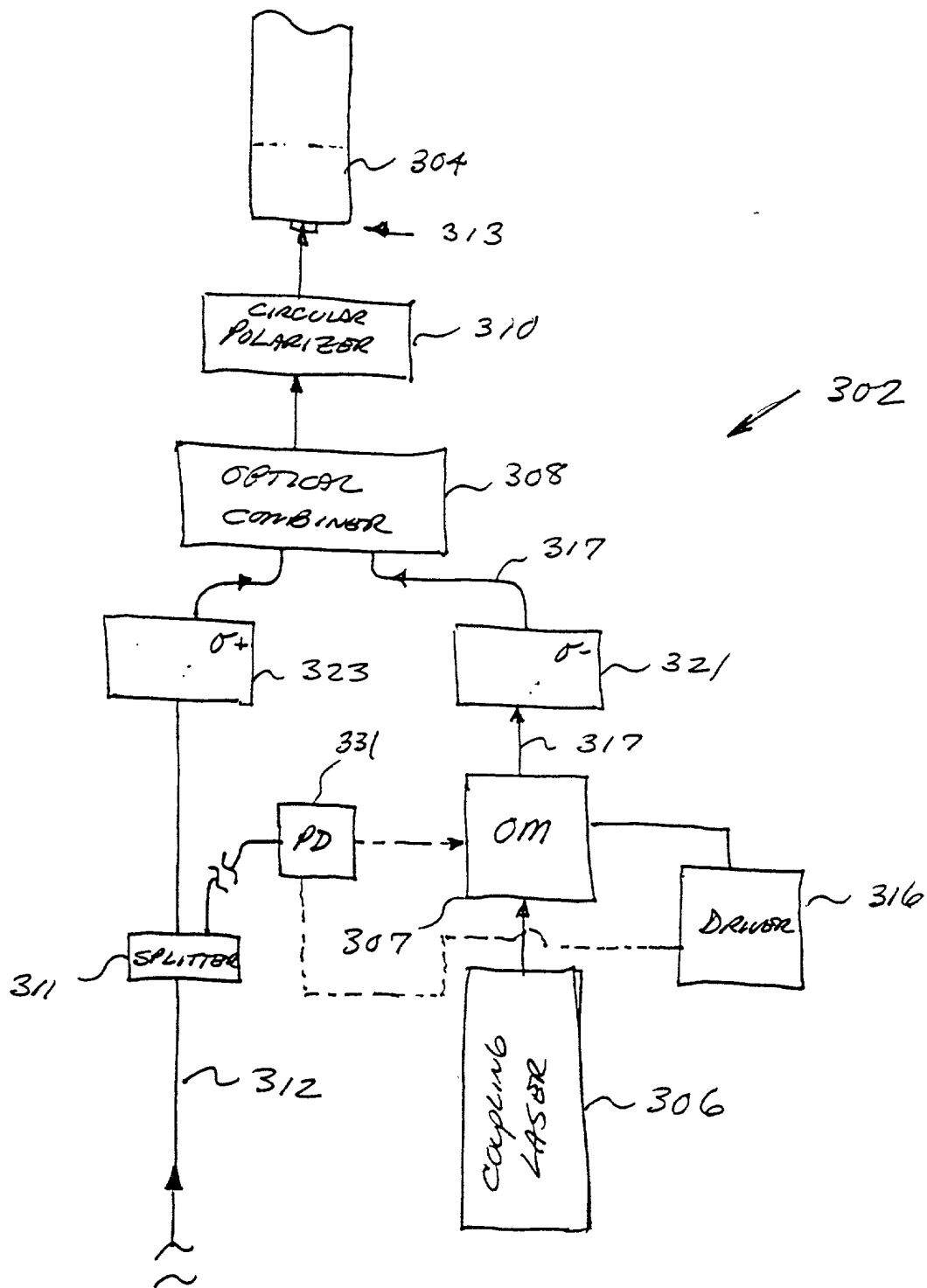
coupling laser

Fig. 1  
(Prior Art)



$$\begin{aligned}
 |1\rangle &= |F=1, m_F=-1\rangle \\
 |2\rangle &= |F=2, m_F=+1\rangle \\
 |3\rangle &= |F=2, m_F=0\rangle \\
 |4\rangle &= |F=1, m_F=0\rangle
 \end{aligned}$$

FIG. 2



PROBE LASER  
MODULATOR  
EDFA

Fig. 3

(PART 1 OF 2)

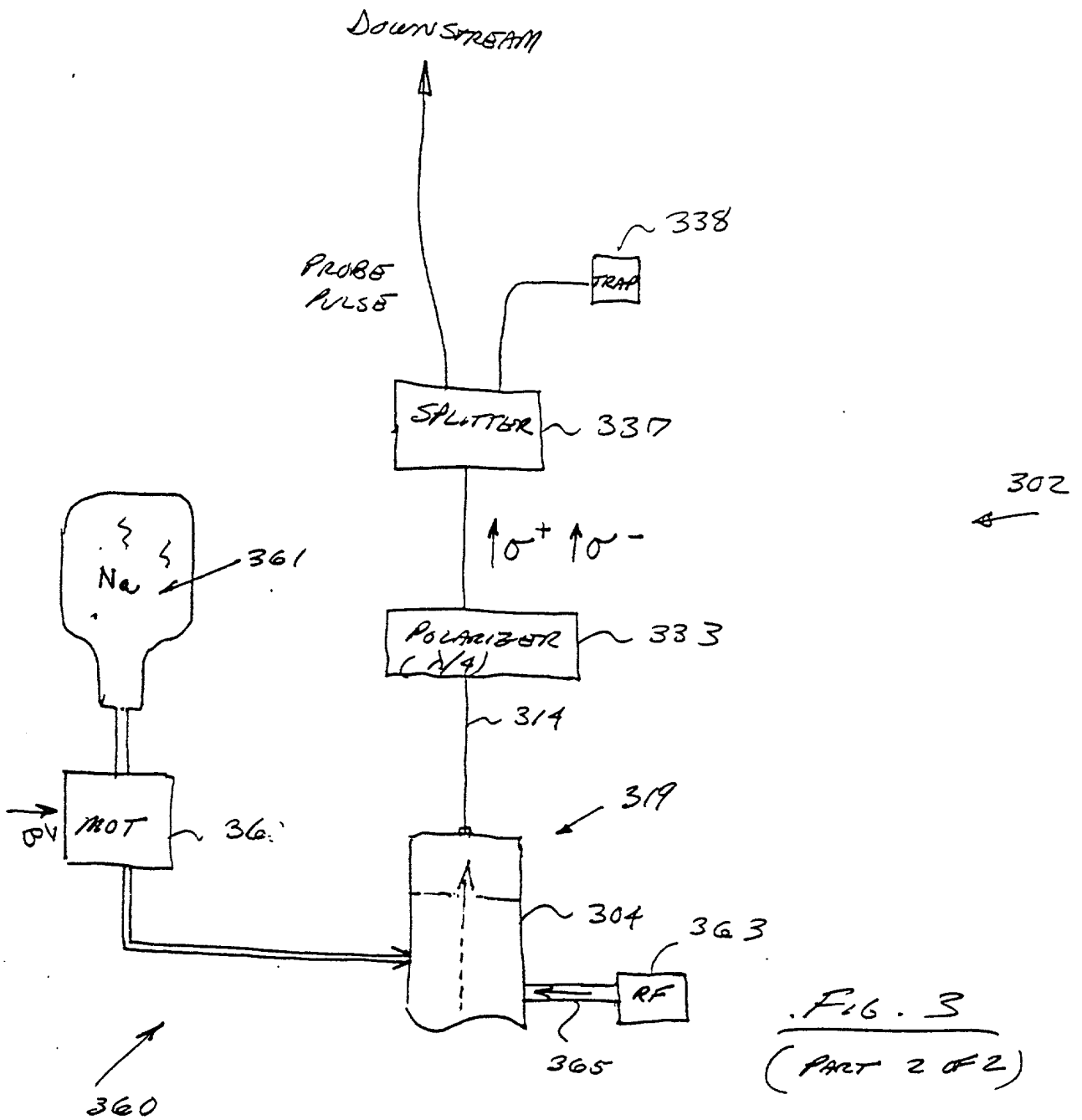


FIG. 3  
(PART 2 OF 2)

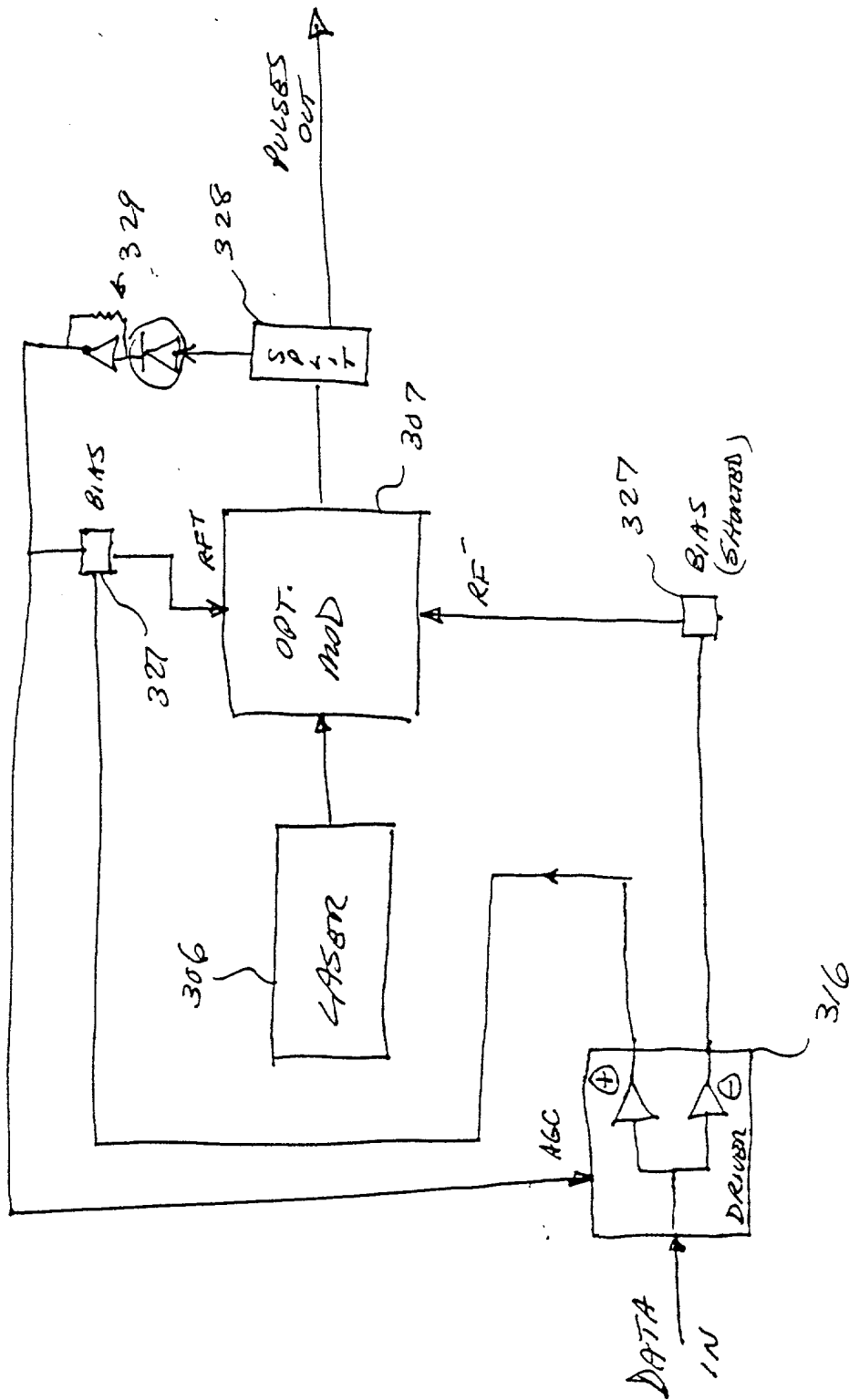


Fig. 3a

NOT  
INDICATION

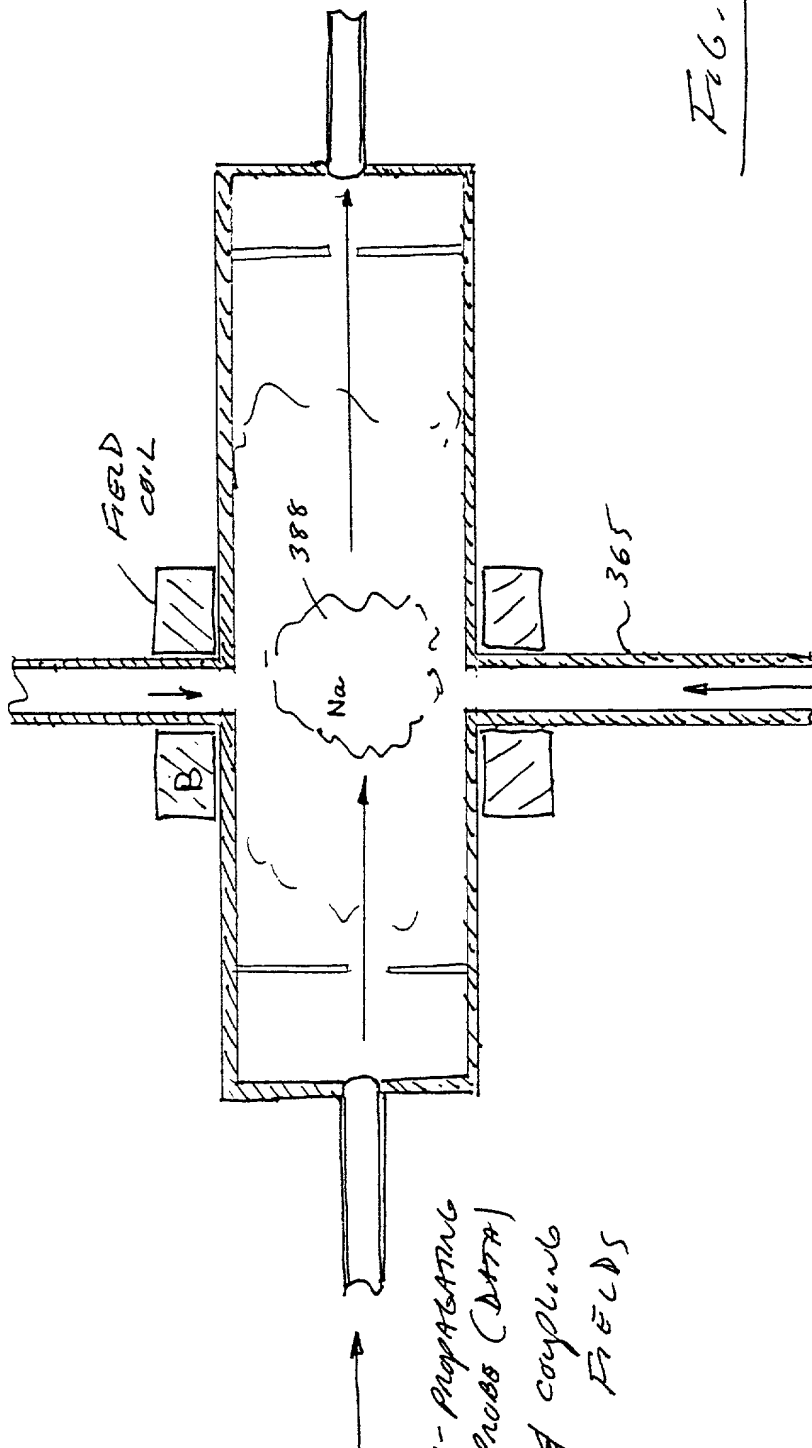


Fig. 36

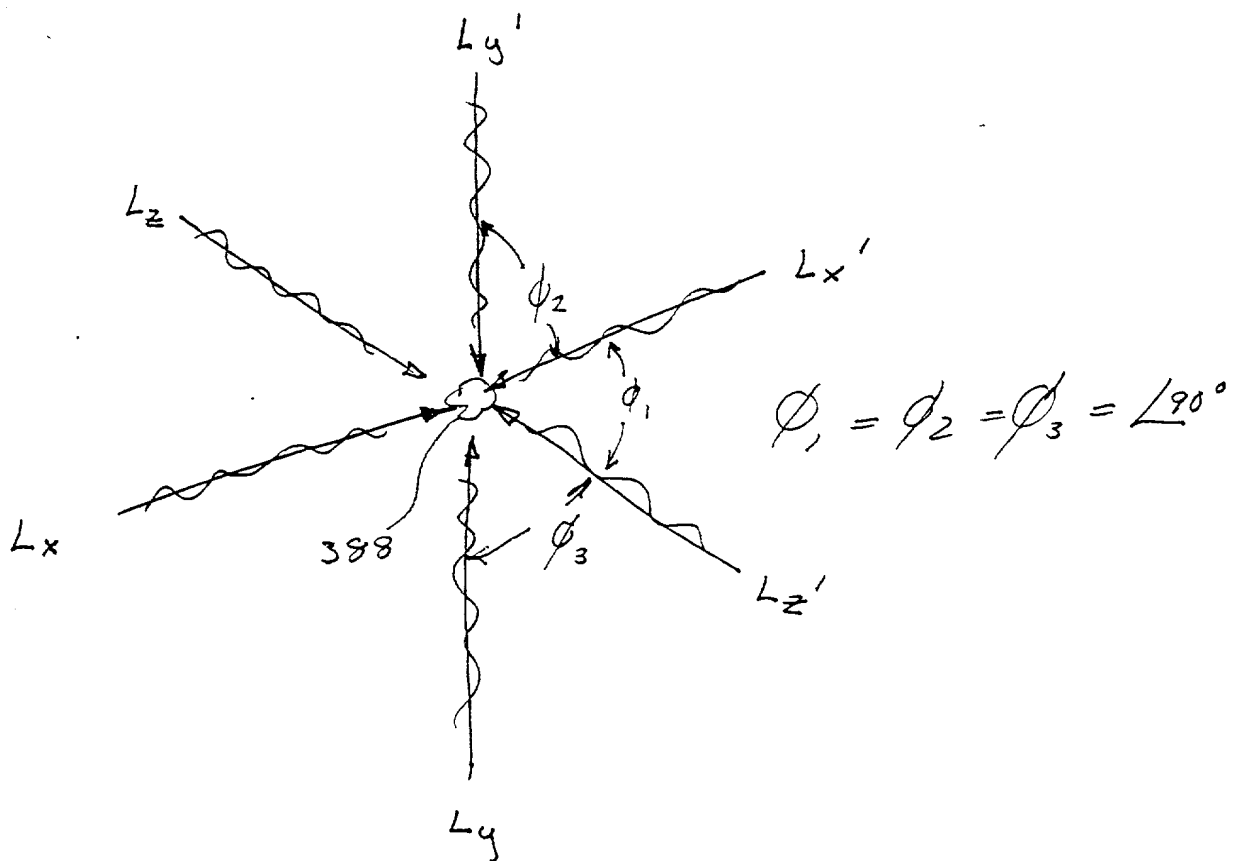


FIG. 4

Fig. 5a

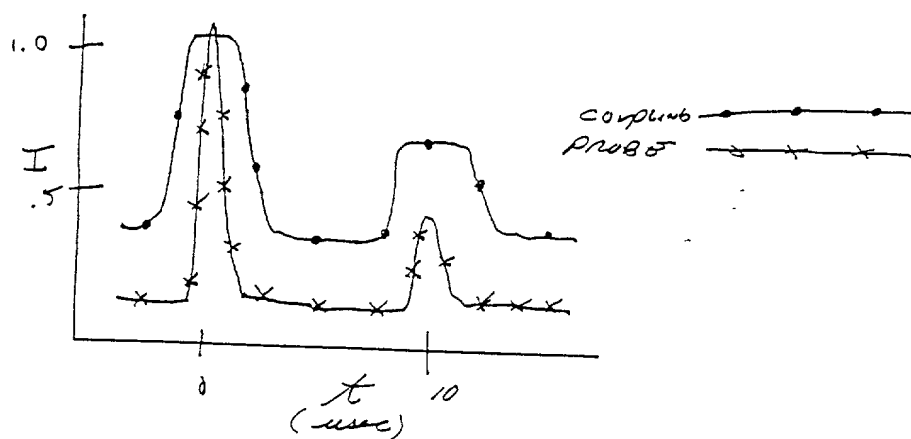


Fig. 5b

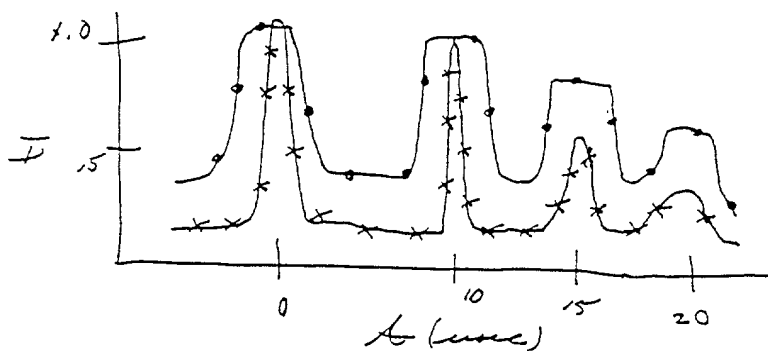


Fig. 5c

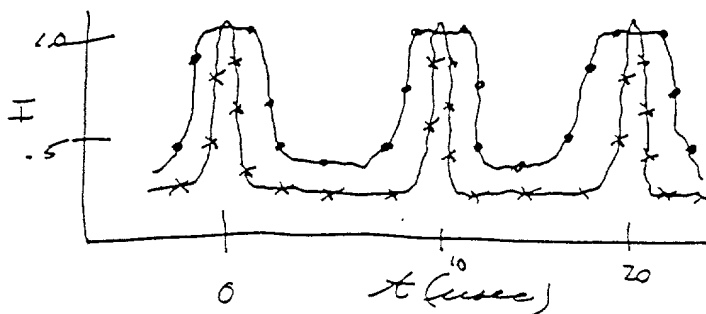
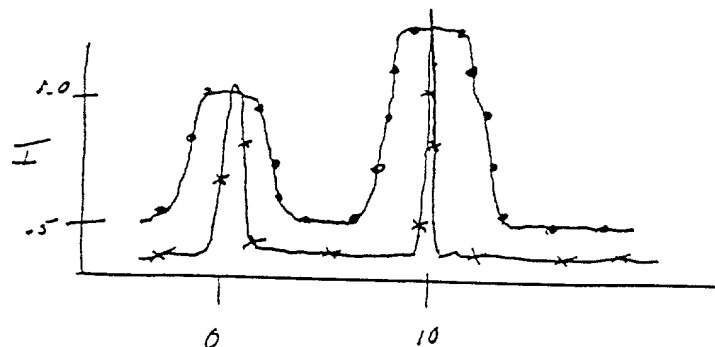


Fig. 5d





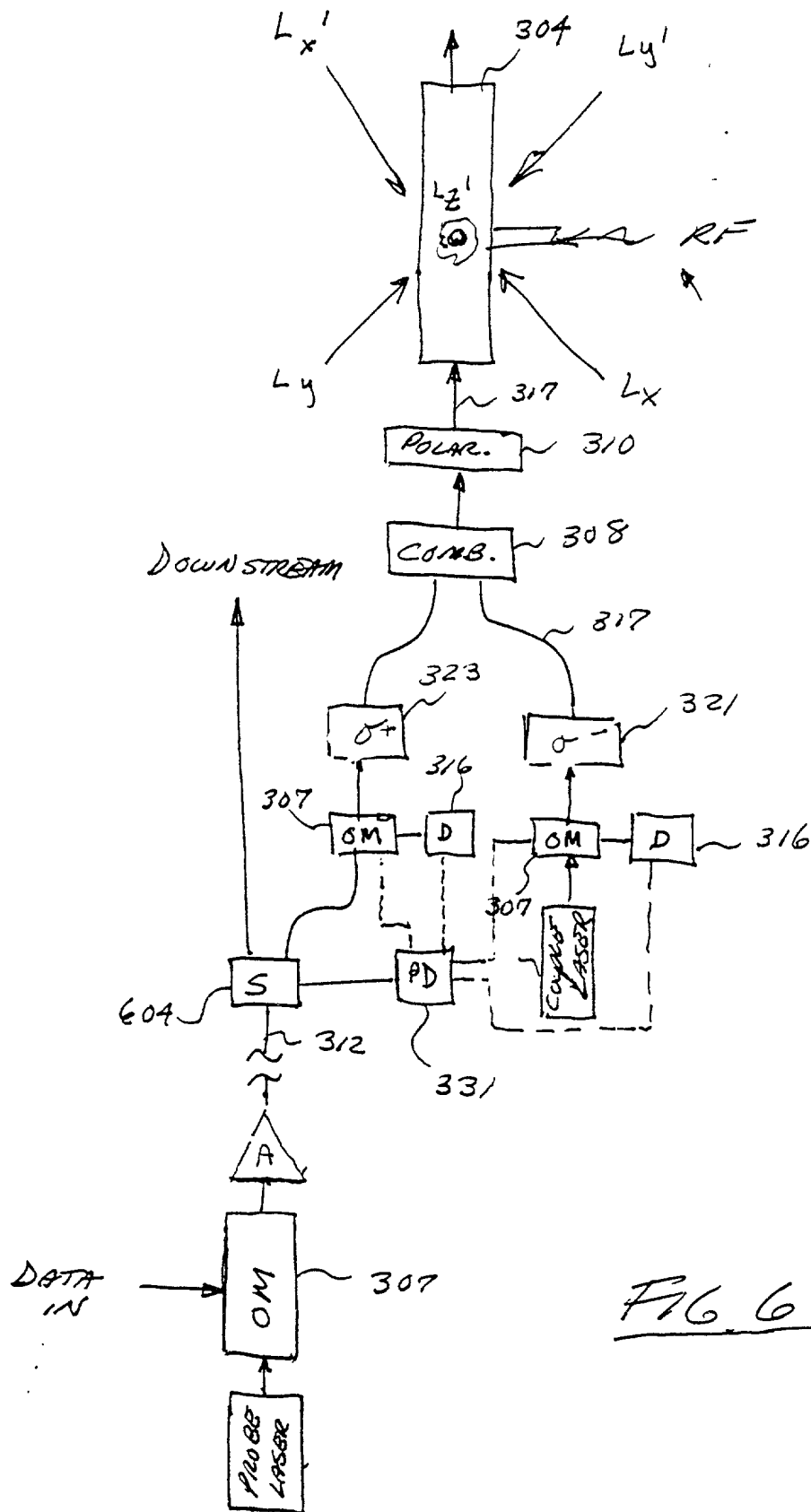
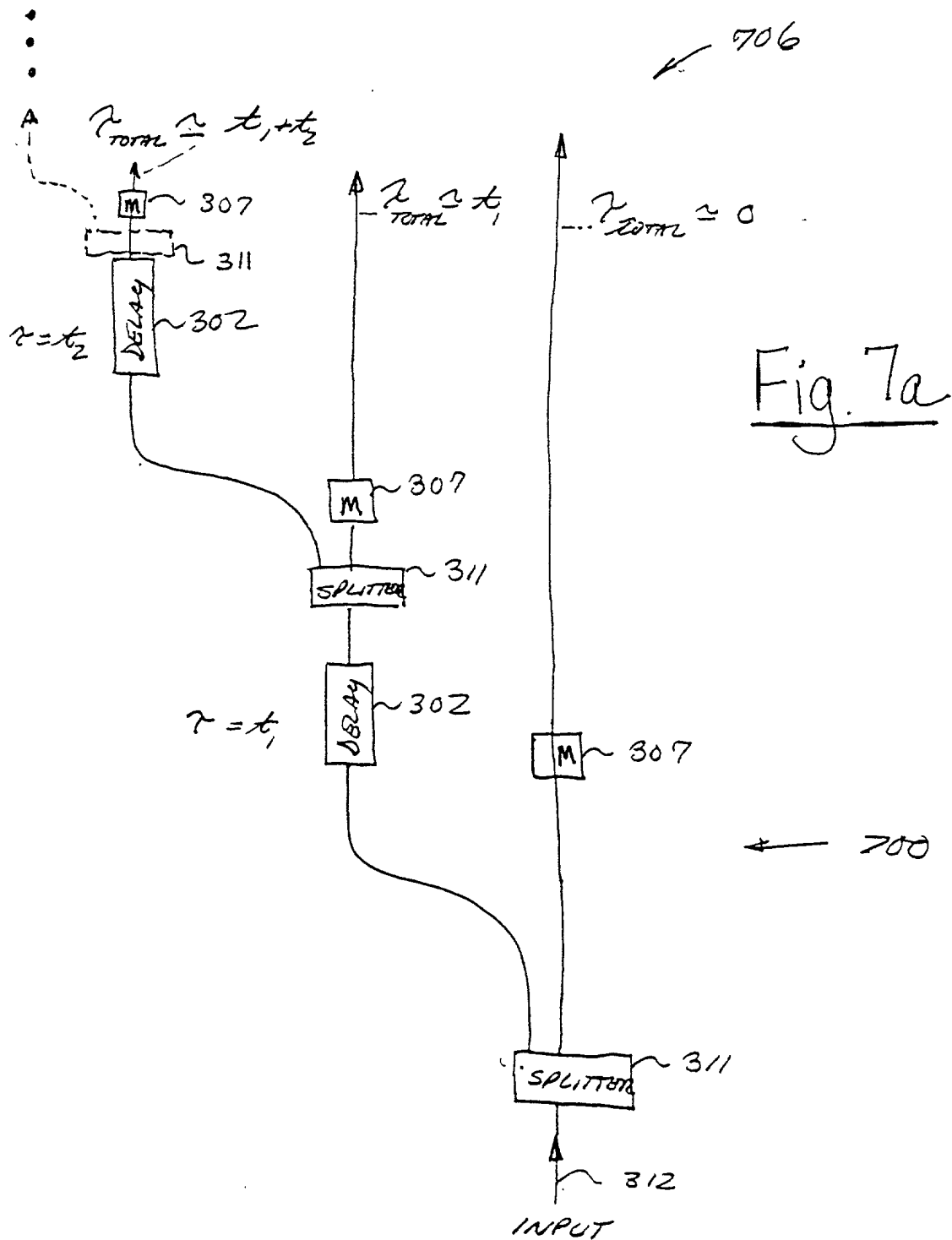


FIG. 6



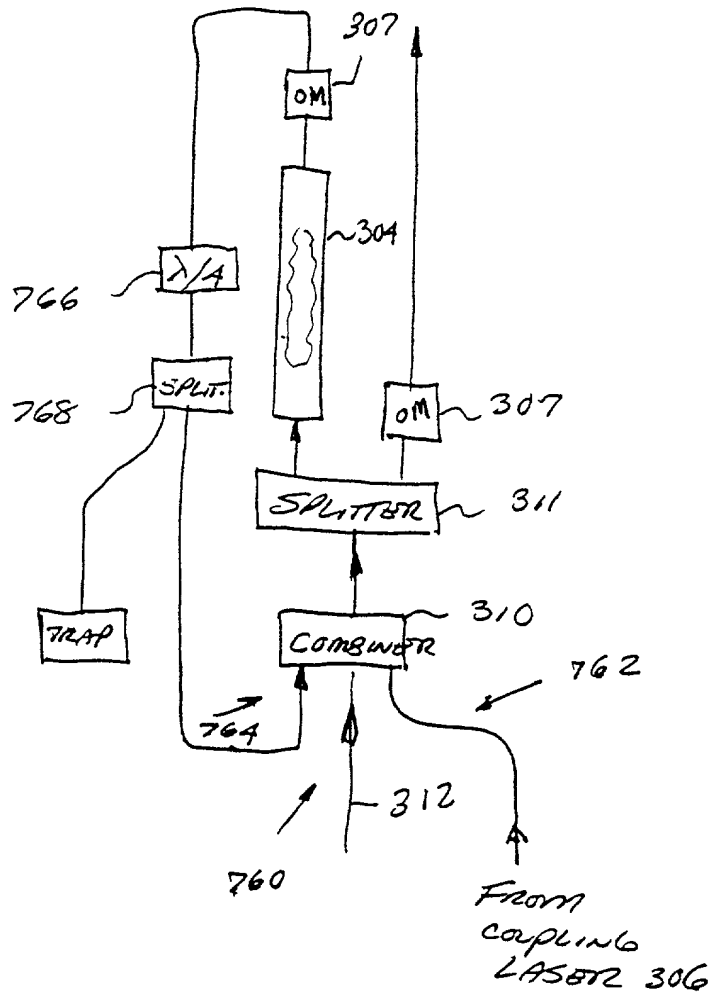


Fig. 7b

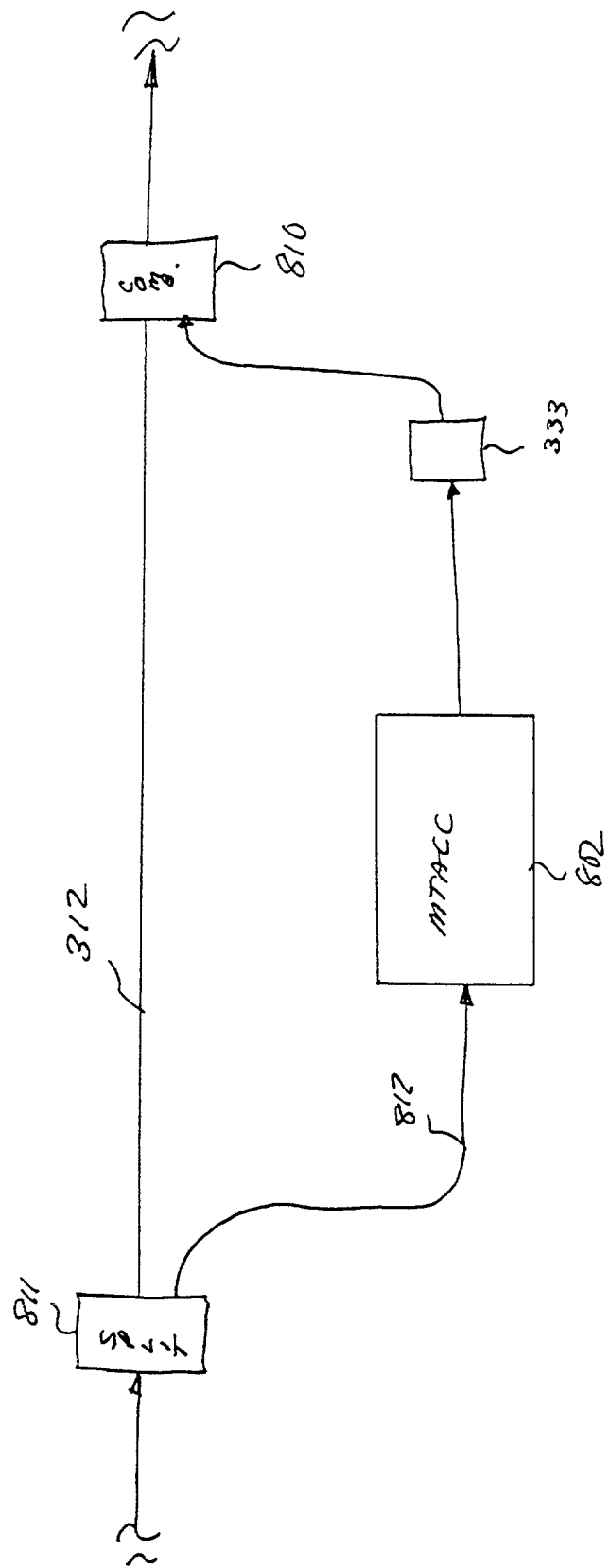


Fig. 8

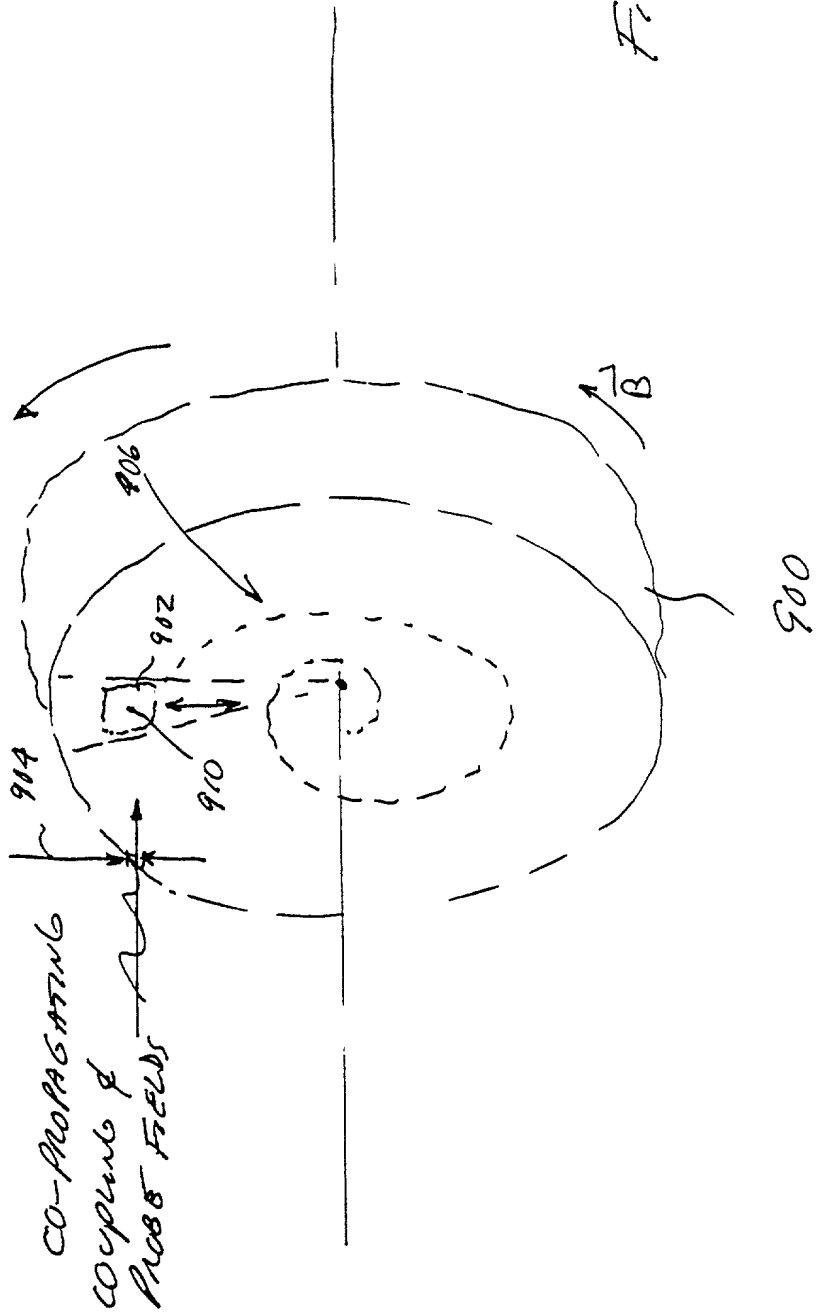


Fig. 9

1000

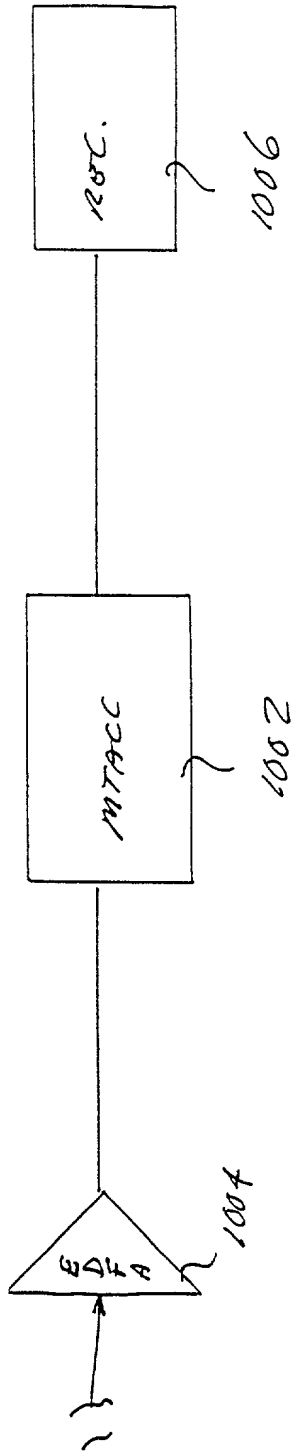


Fig. 10a

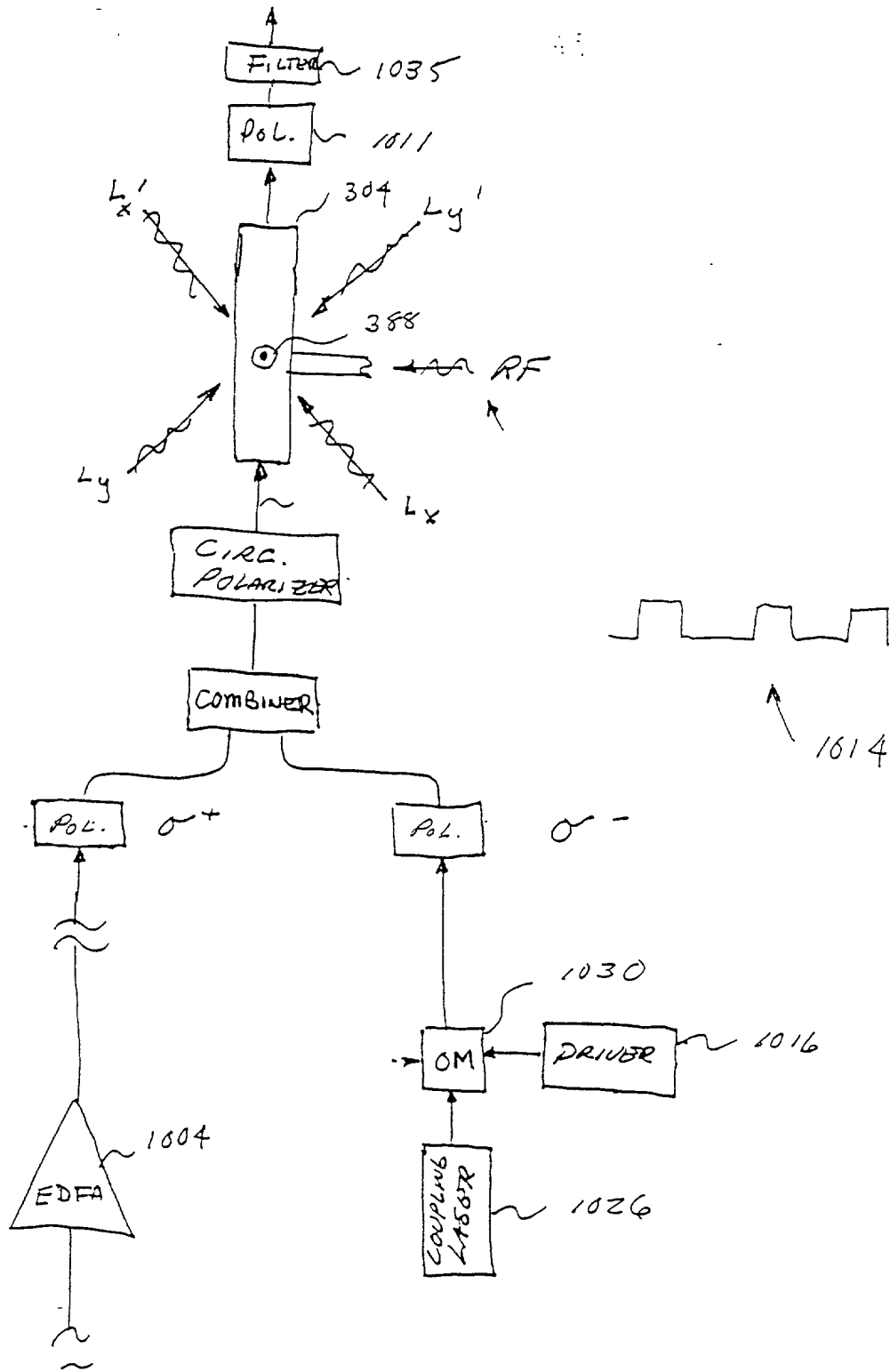


Fig. 10b

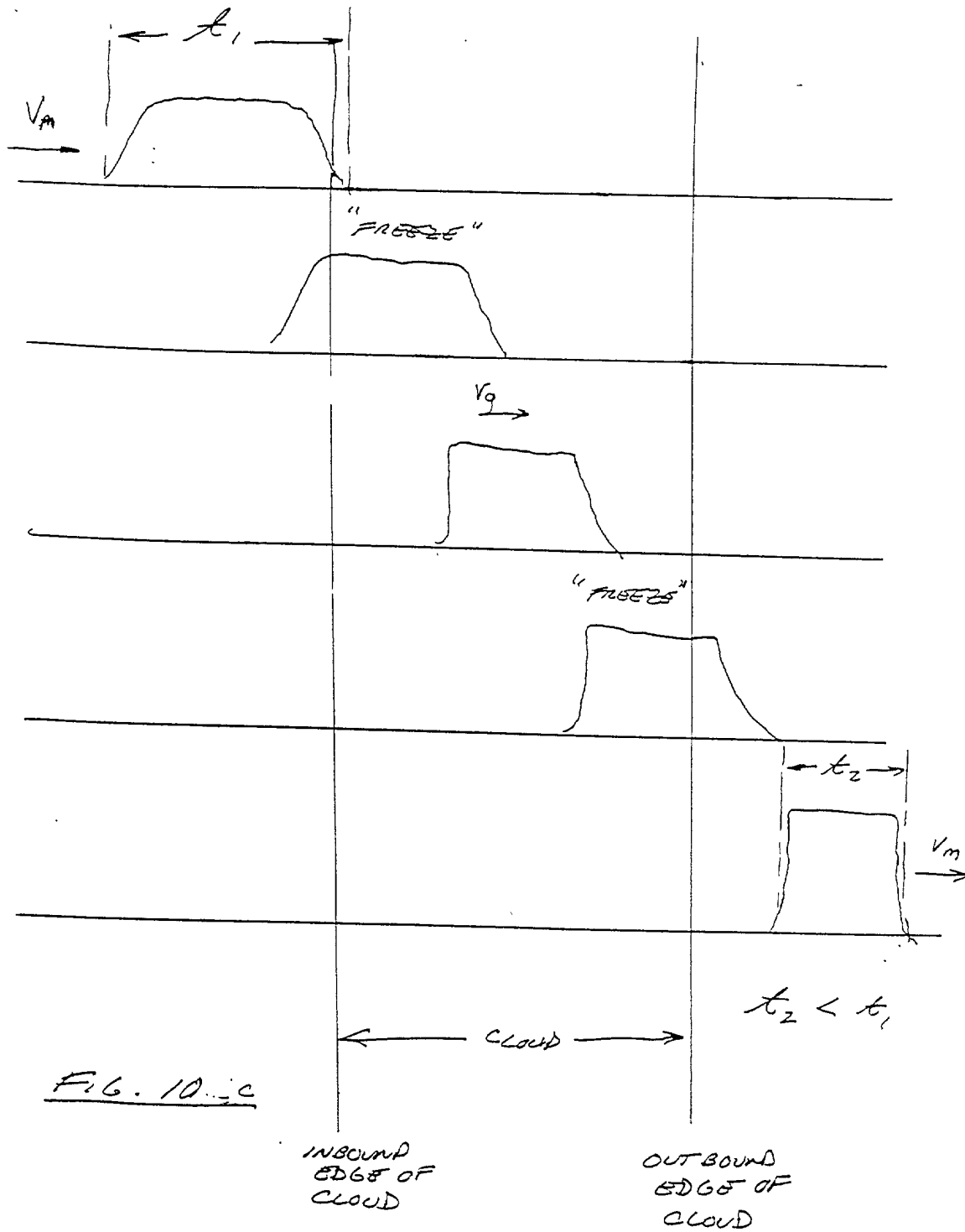
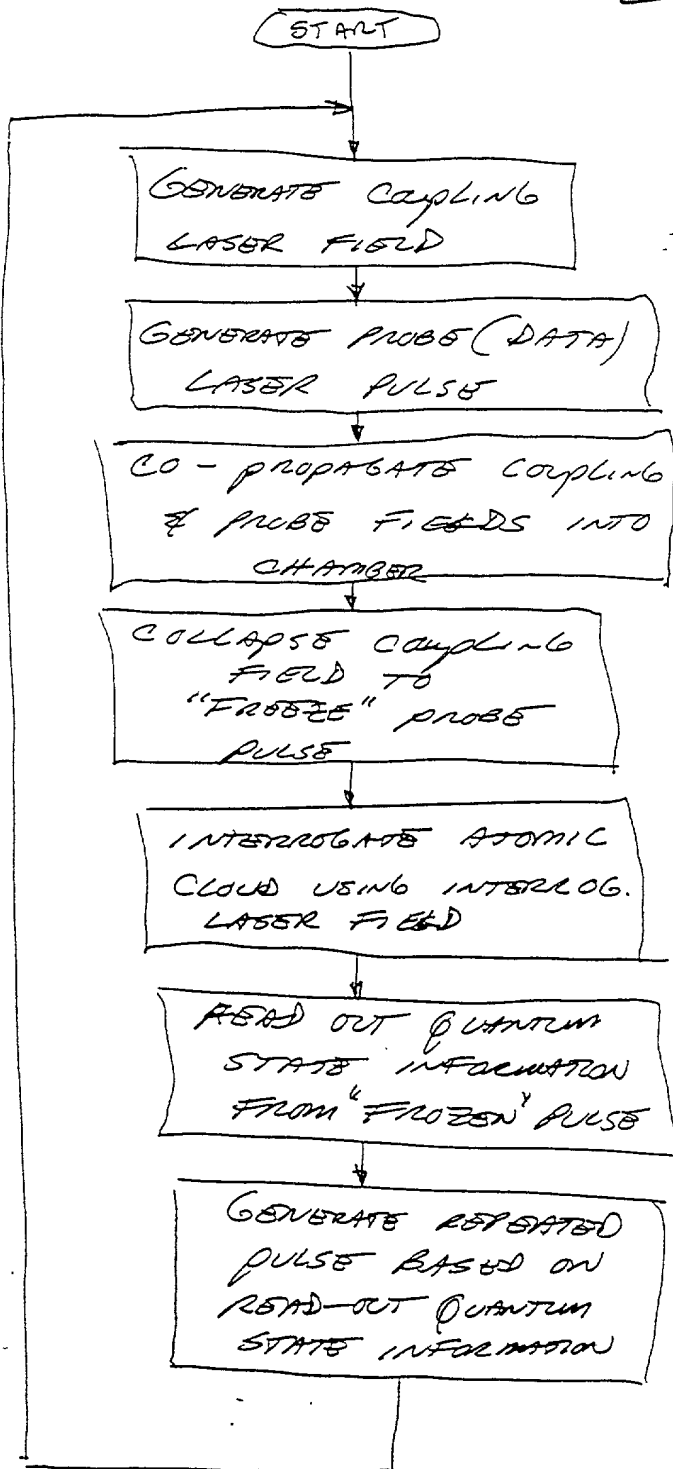


FIG. 10-c



Fig. 11



10059580-012802

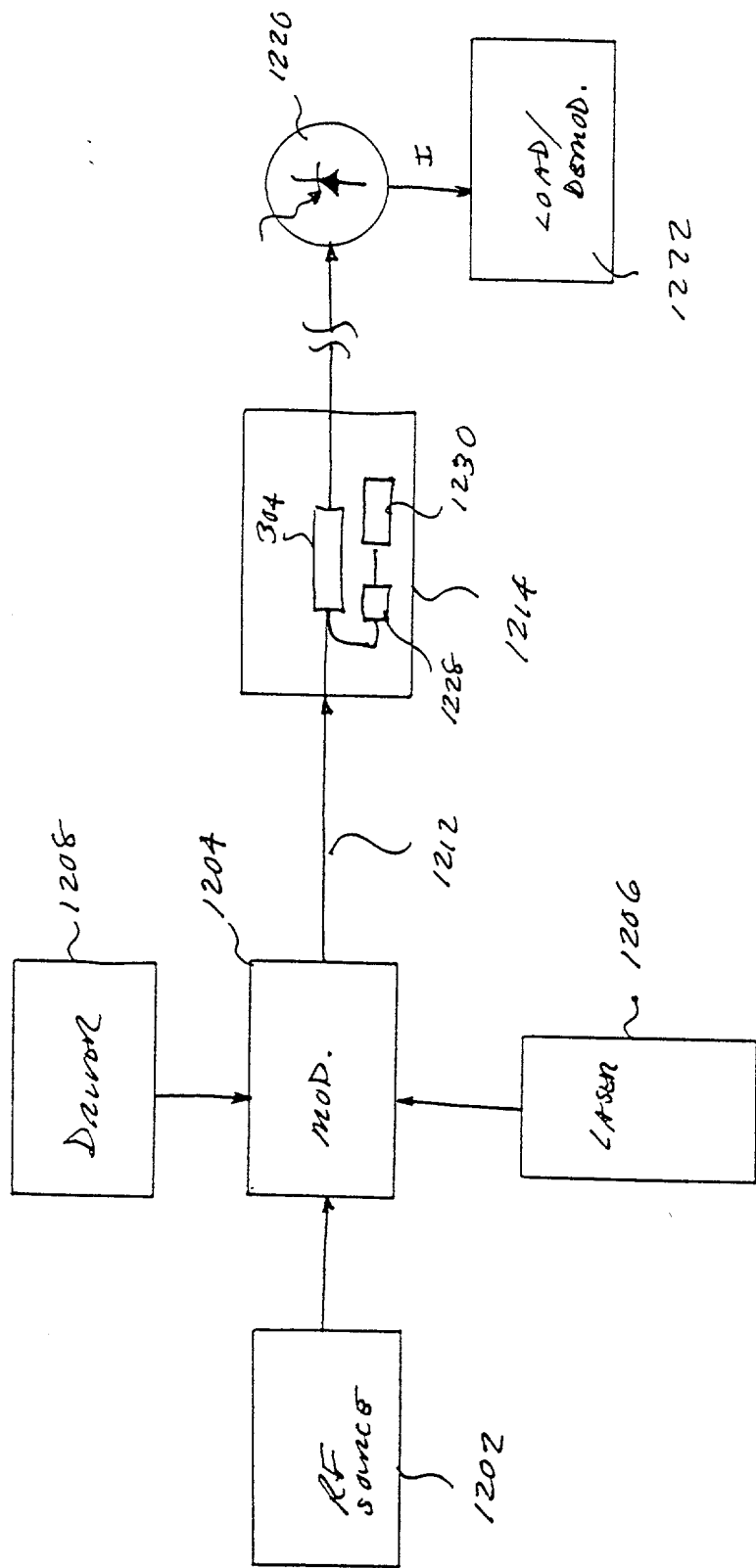


Fig. 12